EVENT LIGHTING

PANEL BEAM

Model No. PANBEAM4x4x10 PANBEAM4x1x10

USER MANUAL

For safety, please read this user manual carefully before initial use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

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V1.1

Safety Instructions

WARNING

• Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.

• Do not look at the light source when the device is on.

• **CAUTION**: This unit's housing may be hot during and after operation.

• Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.

• Do not leave any flammable material within 50 cm of this unit while operating or connected to power.

• Use a safety chain when mounting this device overhead.

• Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.

• Do not operate this device if the housing, lenses, or cables appear damaged.

• Do not connect this device to a dimmer or rheostat.

• ONLY connect this device to a grounded and protected circuit.

• ONLY use the hanging bracket to carry this device.

• In case of a serious operating problem, stop using immediately.

• The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to the maximum 8A. DO NOT exceed this.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

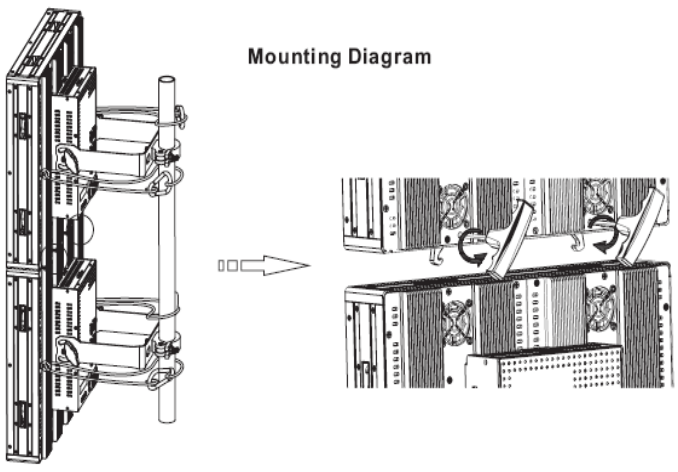
Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing and fix it.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

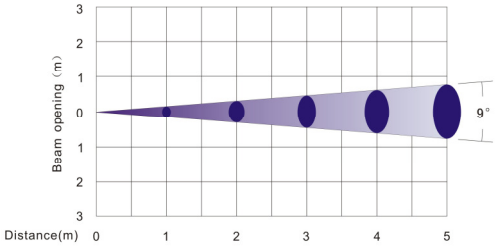
Use a safety chain when mounting this device overhead.

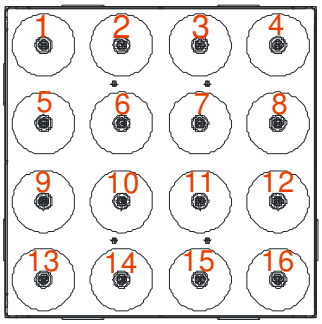


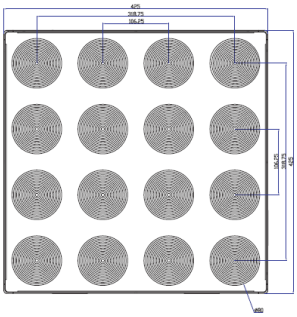
PRODUCT APPEARANCE, LUX CHART, DIMENSIONS

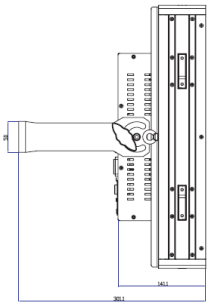
PANBEAM4X4X10

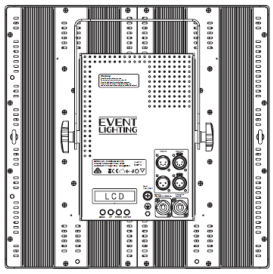
Lux（R）	7330	5050	3300	3085	2088
Lux（G）	8600	7400	4460	4052	3987
Lux（B）	17235	14450	7070	6170	5432
Lux（W）	17230	14300	7940	6520	5680
Lux（RGBW）	33500	25190	19330	16550	12100

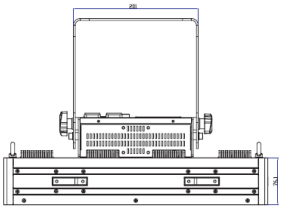








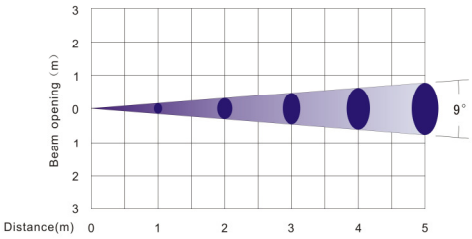


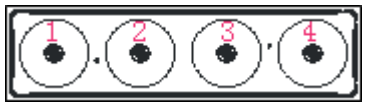


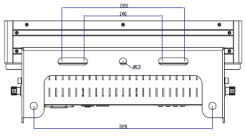
PANBEAM4X4X10

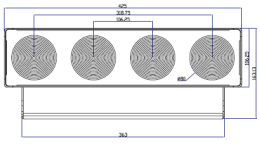
PANBEAM4X1X10

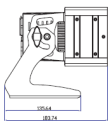
Lux（R）	5810	3859	2554	1800	1474
Lux（G）	9270	6820	4500	2956	2011
Lux（B）	17670	14180	7080	4280	4000
Lux（W）	17280	12550	7960	4830	3540
Lux（RGBW）	28450	12860	10600	5810	4020

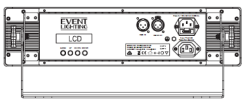


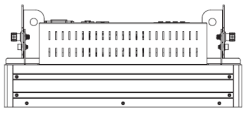












PANBEAM4X1X10

CONTROL BOARD OPERATION

Press the Menu until one of the following displayed:

Display	***Function***
1.DMX Address	To set DMX address
2.DMX Channel	To set DMX channel modes: 4x4 Model - CH 04, CH 06, CH 09, CH64 4x1 Models - CH 04, CH 06, CH 09, CH16
3.Dimmer Curve	To set dimmer speeds: 01, 02, 03, 04
4.Sound Mode	To set sound active mode and the sensitivity (Speed 000 ~ Speed 100)
5.Static Color	To set static colors: Static Color R, G, B, GB, RG, RB, RGB
6.Manual Color	To set user mode intensity of R, G, B separately for color mixing and strobe rate
7.Auto Program	To set built-in automatic programs: Pr 01 ~ Pr 10 and speeds 000 ~100
8.Master/Slave	To set Master/Slave modes

Use Up and Down button to select your desired operation, then press Enter to confirm.

DMX Addressing:

After select the "DMX Address" and press Enter, then use Up and Down to set the desired DMX address (001~512), press "Enter" again to confirm.

DMX Modes

After select the "DMX Channel" and press Enter, then use Up and Down to set the desired DMX mode (4x4 Model - CH 04, CH 06, CH 09, CH64
4x1 Model - CH 04, CH 06, CH 09, CH16
, press "Enter" again to confirm.

Dimmer Speed Setting:

After select the "Dimmer Curve" and press Enter, then use Up and Down to set the desired dimmer speed (01, 02, 03, 04), press "Enter" again to confirm.

Sound Mode

Entered "Sound mode", use <UP> and <DOWN> to set the sensitivity Sen 000 ~ Sen 100, press Enter to confirm.

User Mode

This mode allows the user set intensity of R, G, B separately to get endless color mixing from the control board without DMX controller to set the device to run strobe desired.

Entered user mode "Manual color", use <UP> and <DOWN> to select the “R / G / B" for Colors intensity or "S" for strobe.

Use <UP> and <DOWN> to set the colors intensity values " 0 ~ 255" or Strobe speed values "000 ~ 100" (Freeze, Slow ~ Fast), then press "Enter" to confirm.

Setting Static Colors

Entered "Static Color", you can select the desired solid color via the UP or DOW N buttons and confirm by Enter (see following graphic).

Mode:	**RGBW Models**	
Static Colour	**Value:**	**Function:**
	R	Red
	G	Green
	B	Blue
	W	White
	GB	Green + Blue
	RB	Red + Blue
	RG	Red + Green
	RGB	Red + Green + Blue
	RW	Red + White
	GW	Green + White
	BW	Blue + White
	RGW	Red + Green + White
	RBW	Red + Blue + White
	GBW	Green + Blue + White
	RGBW	Red + Green + Blue + White

Automatic Mode

This fixture has a built-in automatic program.

Entered "Auto Program" mode, use <UP> and <DOW N> to select the built-in programs "Pr01 ~ Pr -12" then press the "Enter" to confirm.

Use <UP> and <DOWN> to select the operating speed of the program(Value:Speed 000 ~ Speed100, Freeze,Slow ~ Fast),

Mode:	**Value:**	**Function:**
Auto Program	Auto program Pr 01	R G B W colors switching
	Auto program Pr 02	15 colors switching
	Auto program Pr 03	Color Macros
	Auto program Pr 04	Chase 1
	Auto program Pr 05	Chase 2
	Auto program Pr 06	Chase 3
	Auto program Pr 07	Chase 4
	Auto program Pr 08	Chase 5
	Auto program Pr 09	Loop above Pro 01~ Pr 08

Master/Slave Operation

This mode allows for multiple units slave fixtures to follow a single master fixture.

1) Set the master fixture to one of the standalone operating modes: automatic, sound, user mode or static color modes

2) For slave units, entered the Master/Slave mode, select "Slave", press Enter.

DMX VALUES

4 Channels Mode: ALL Models

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	White: 0% ~ 100%

6 Channels Mode: ALL Models

CHANNEL	VALUE	FUNCTION
1	000-255	Red: 0% ~ 100%
2	000-255	Green: 0% ~ 100%
3	000-255	Blue: 0% ~ 100%
4	000-255	White: 0% ~ 100%
5	000-255	Master Dimmer 0% ~ 100%
6	000-009	No function
	010-255	Strobe : Slow ~ Fast(1~30Hz)

9 Channels Mode: ALL Models

CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	White 0% ~ 100%	
5	000-255	Master Dimmer 0% ~ 100%	
6	000-009	No function	
	010-255	Strobe : Slow ~ Fast(1~30Hz)	
7	000-009	No function	
	010-023	Auto Program PR 01	R G B W colours switching
	024-038	Auto Program PR 02	15 colours switching
	039-053	Auto Program PR 03	R G B W colours fading
	054-068	Auto Program PR 04	15 colours Fading
	069-083	Auto Program PR 05	Colours Macros
	084-098	Auto Program PR 06	Chase 1
	099-113	Auto Program PR 07	Chase 2
	114-128	Auto Program PR 08	Chase 3
	129-143	Auto Program PR 09	Chase 4
	144-158	Auto Program PR 10	Chase 5
	159-173	Auto Program PR 11	Chase 6
	174-188	Auto Program PR 12	Chase 7
	189-203	Auto Program PR 13	Chase 8
	204-218	Auto Program PR 14	Chase 9
	219-233	Auto Program PR 15	Loop above Pro 01~ Pr 14
	234-255	Sound active	

8	000-255	Speed of Auto Programs (Slow ~ Fast)	
9	000-009	Default dimmer speed	
	010-070	Non-linear dimmer 1	
	071-132	Non-linear dimmer 2	
	133-194	Non-linear dimmer 3	
	195-255	Non-linear dimmer 4	

16 Channels Mode: 4x1 Model

CHANNEL	VALUE	FUNCTION	
1,5,9,13	000-255	Red 0% ~ 100%	LED 1 (1-4), LED 2 (5-8), LED 3 (9-12), LED 4 (13-16)
2,6,10,14	000-255	Green 0% ~ 100%	
3,7,11,15	000-255	Blue 0% ~ 100%	
4,8,12,16	000-255	White 0% ~ 100%	

64 Channels Mode: 4x4 Model

CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	LED 1 (1-4), LED 2 (5-8), LED 3 (9-12), LED 4 (13-16), LED 5 (17-20), LED 6 (21-24), LED 7 (25-28), LED 8 (29-32), LED 9 (33-36), LED 10 (37-40), LED 11 (41-44), LED 12 (45-48), LED 13 (49-52), LED 14 (53-56), LED 15 (57-60), LED 16 (61-64),
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	White 0% ~ 100%	

TECHNICAL SPECIFICATIONS

Model	PANBEAM4X1X10	PANBEAM4X4X10
Dimensions and Weight		
LxWxH (mm)	1050 x 80 x 165	425 x 425 x140
Weight (kg)	4	11.3
Power		
Power Supply	100~240V AC, 50/60 Hz	
Power Consumption (w)	50	200
Fuse	T 1 A, 250 V	T 2 A, 250 V
LED	4pcs CREE 10W Quad-color RGBW	16pcs CREE 10W Quad-color RGBW
Operation Modes	DMX, Auto, Sound Active, Master/Slave, RGBW Manual Control Mode, Static Colour Mode	
Beam Angle	9°	
Refresh Rate	11700Hz	
DMX Channel	4,6,9,16 channels	4,6,9,64 channels
DMX connection	3 - pin XLR	3 pin & 5 pin XLR
Power Input Socket	IEC	Neutrik Powercon
Power Output Socket	IEC	Neutrik Powercon
Pixel control for each LED		
LCD display with 4 buttons control		
Fresnel lens for color beam		
Smooth electronic dimming with a 16-bit 4 Dimmer curve		
Oxidation surface treated aluminum Housing		
Smart Cooling system without fan		
Variable Speed Strobe Effect (1 – 30 Hz)		

WARRANTY

Please refer to your local dealer or please contact Event Lighting.